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COLORADO DEPARTMENT OF HEALTH
Radiation Control Division

Minutes of Exchange of Information Meeting
Colorado Department of Health
February 26, 1991 1:30 p.m.

Attendees:

Robert W. Terry	Colorado Department of Health/RCD
Jill Pauchert	EG&G Rocky Flats
Hallie Mahan	City of Broomfield
Annette Barnard	U.S. Department of Energy/RF
Steve Ramer	City of Westminster
Tony Harrison	Colorado Department of Health/RCD
Ken Korkin	RFCC
Mike Marshall	Colorado Department of Health/HMWMD/UST
Nancy M. Daugherty	EG&G/CAER
Richard Fox	Colorado Department of Health/RFPD
Al Hazle	Colorado Department of Health/RFPD

Nancy Daugherty reported that there have been no changes to the list of radioactive materials used at the Rocky Flats Plant since the last quarterly update (January 29, 1991).

Hallie Mahan presented the City of Broomfield Radiometric Monitoring Report for January. All routine radiometric and organic chemistry measurements were consistent with measurements that have been made in the past. All flow in Walnut Creek was diverted around Great Western Reservoir. There was no flow in Dry Creek Valley Ditch. The Broomfield Water Treatment Plant was temporarily closed on January 18th. After that date, all co-mingled system water samples consisted entirely of Denver water. Because of flow rates through the tanks, the water samples collected from the co-mingled and Denver side collection points are not expected to yield identical results. The report had attached to it a special report of analysis of a sample from water that was discharged from A-4 Pond on January 24th.

Steve Ramer presented the City of Westminster Radiation Data Monthly Report for the month of January. All monitoring data were consistent with measurements that have been made in the past.

Nancy Daugherty presented the January Rocky Flats Plant Environmental Monitoring Report. The Radiological Health Laboratory (formerly known as the Health and Safety Laboratory) in Building 123 was closed on January 25th due to a shutdown of the plant's wastewater transfer system. The closure affected several other operations at the plant, as well. As a result of the laboratory closure, most routine monitoring analysis could not be completed. Only total long-lived alpha radioactivity and tritium measurements in airborne effluent have been made. Only gross alpha and beta radioactivity measurements in water have been made. Beryllium analysis has been curtailed, but all other non-radiometric measurements are being completed as scheduled. Pre-discharge surface water analyses continue to be performed by off-site laboratories; demonstration of compliance with specific regulatory requirements continues as scheduled. Resumption of operations in the laboratory is expected soon. All analytical results for samples that have been impacted by the shutdown will be reported when available.

ADMIN RECORD

SW-A-003470

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Robert Terry presented the Colorado Department of Health Monthly Environmental Surveillance Report on the Rocky Flats Plant for the month of January. All results were consistent with those that have been reported in the past. The report included scattered measurements of plutonium in air from 1988 and 1989. Those measurements, while typical for that time, are approximately 100 times higher than typical currently-measured concentrations, and serve to emphasize the speed with which airborne plutonium concentrations have fallen in the recent past.

The City of Westminster discontinued routine sampling and analysis of water from C-2 Pond, beginning in February. The city of Westminster plans to expand its routine monitoring program for Big Dry Creek. Details of that plan will be made available as it becomes final.

The Colorado Department of Health began operation of three new high-volume air samplers (TSP) on-site. They are located at:


RF-9 (also D-9)	North Buffer Zone Area
RF-10 (also D-10)	NW access road
RF-11 (also D-11)	881 Hillside Area

Detailed descriptions of these sampling site locations are in Appendix I of the Department of Health report. Change orders for area maps include this update and will probably be completed in time for the February report.

Nancy Daugherty presented an overview of the "Rocky Flats Plant Site Environmental Report" for the period from January through December 1989. The radiation dose to any member of the public as a result of Rocky Flats' activities was less than 1 mrem (50-year committed effective dose equivalent, CEDE₅₀). The following specific information was reported:

Radiation dose at site boundary:	0.83 mrem CEDE
all pathways	13 mrem committed dose equivalent to bone surfaces
Community	0.02 mrem CEDE
air pathway only	0.3 mrem committed dose equivalent to bone surfaces

The next monthly Environmental Information Exchange Meeting will be held at 1:30 p.m., Tuesday, March 26, 1991, at the Broomfield City Council Chambers, #6 Garden Office Center, Broomfield, Colorado. Environmental surveillance measurements for both November and December will be presented at that time.


Robert W. Terry
Senior Health Physicist
Colorado Department of Health